CLAIMS

The following is a copy of Applicants' claims that identifies language being added with underlining ("___") and language being deleted with strikethrough ("—-") or double brackets ("[[]]"), as is applicable:

(Currently amended) A light emitting device comprising:
a laser diode; and

a phosphor composition positioned to receive light from said laser diode, the phosphor composition capable of absorbing light from said laser diode and emitting light at a wavelength longer than the light from the laser diode, wherein the phosphor composition comprises a first type of phosphor particles comprising a material selected from CaS:Eu²⁺,Mm²⁺; Mg₄GeO_{5.5}F:Mn⁴⁺[[;]] and ZnS:Mn²⁺, and a second type of phosphor particles,

wherein the first type of phosphor particles emits red light upon excitation, and the second type of phosphor particle emits green light upon excitation.

- 2. (Original) The light emitting device of claim 1, wherein the device is a white light emitting device.
- 3. (Canceled)
- 4. (Previously presented) The light emitting device of claim 1, wherein the first type of phosphor particles emits light having a wavelength in the range of about 590 to about 650 nm.
- 5. (Canceled)
- 6. (Previously presented) The light emitting device of claim 1, wherein the second type of phosphor particles emits light having a wavelength in the range of about 520 to about 550 nm.
- 7. (Previously presented) The light emitting device of claim 1, wherein the second type of phosphor particles comprises a material selected from SrGa₂S₄:Eu²⁺ and ZnS:Cu,Al.

- 8. (Original) The light emitting device of claim 6, wherein the first type of phosphor particles emits light having a wavelength in the range of about 590 to about 650 nm.
- 9. (Original) The light emitting device of claim 1, wherein the phosphor composition comprises phosphor particles that emit yellow light upon excitation.
- 10. (Original) The light emitting device of claim 9, wherein the phosphor particles emit light having a wavelength in the range of about 560 to about 580 nm.
- (Original) The light emitting device of claim 9, wherein the phosphor particles comprise (Y,Gd)₃Al₅O₁₂:Ce,Pr.
- 12. (Original) The light emitting device of claim 1, wherein the phosphor composition is a conformal coating disposed on a surface of the laser diode.
- 13. (Original) The light emitting device of claim 12, wherein the conformal coating is between about 15 micrometers and about 150 micrometers thick.
- 14. (Original) The light emitting device of claim 1, wherein the phosphor composition is disposed on a surface of a lens positioned to receive light from the laser diode.
- 15. (Original) The light emitting device of claim 1, wherein the phosphor composition comprises a clear polymer matrix having phosphor particles suspended therein, wherein the clear polymer matrix is shaped as a lens, the clear polymer matrix being positioned to receive light from the laser diode and to direct light from the light emitting device.
- 16. (Original) The light emitting device of claim 1, wherein the phosphor composition comprises a material selected from SrS:Eu²⁺ and CaS:Eu²⁺.

- 17. (Original) The light emitting device of claim 1, wherein the phosphor composition comprises a material selected from CaS:Eu²⁺,Mn²⁺ and (Zn,Cd)S:Ag⁺.
- 18. (Original) The light emitting device of claim 1, wherein the phosphor composition comprises a material selected from Mg₄GeO_{5.5}F:Mn⁴⁺; and ZnS:Mn²⁺.
- 19. (Original) The light emitting device of claim 1, wherein the phosphor composition comprises a material selected from SrGa₂S₄:Eu²⁺ and ZnS:Cu,Al.
- 20. (Original) The light emitting device of claim 1, wherein the phosphor composition comprises (Y,Gd)₃Al₅O₁₂:Ce,Pr.
- 21. (Original) The light emitting device of claim 1, wherein the phosphor composition has a first peak emission wavelength in the range of about 620 nm to about 650 nm.
- 22. (Original) The light emitting device of claim 21, wherein the phosphor composition has a second peak emission wavelength in the range of about 520 nm to about 550 nm.
- 23. (Original) The light emitting device of claim 1, wherein the phosphor composition has a peak emission wavelength in the range of about 560 nm to about 580 nm.
- 24. (Original) The light emitting device of claim 1, wherein the phosphor composition comprises phosphor particles having a mean particle diameter in the range of about 13 to about 20 micrometers.
- 25. (Original) The light emitting device of claim 1, wherein the laser diode is a blue laser diode.
- 26. (Original) The light emitting device of claim 1, wherein the laser diode is a violet laser diode.

- 27. (Original) The light emitting device of claim 1, wherein the laser diode is a UV laser diode.
- 28. (Original) The light emitting device of claim 1, wherein the laser diode is operated in a pulse mode.
- 29. 31. (Canceled)

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32. (Previously presented) A light emitting device comprising:a laser diode; and

a phosphor composition positioned to receive light from said laser diode, the phosphor composition capable of absorbing light from said laser diode and emitting light at a wavelength longer than the light from the laser diode, wherein the phosphor composition consists of a first type of phosphor particles comprising a material selected from CaS:Eu²⁺,Mn²⁺; Mg₄GeO_{5.5}F:Mn⁴⁺[[;]] and ZnS:Mn²⁺, and a second type of phosphor particles,

wherein the first type of phosphor particles emits red light upon excitation, and the second type of phosphor particle emits green light upon excitation.